

Product datasheet for SC110726

ATPase Inhibitory Factor 1 (ATPIF1) (NM_016311) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATPase Inhibitory Factor 1 (ATPIF1) (NM_016311) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATPase Inhibitory Factor 1
Synonyms:	ATPI; ATPIF1; ATPIP; IP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110726 sequence for NM_016311 edited (data generated by NextGen Sequencing)

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ATGGCAGTGACGGCGTTGGCGGCGCGGACGTGGCTTGGCGTGTGGGGCGTGAGGACCATG
CAAGCCCAGAGGCTTCGGCTCGGATCAGTCCGAGAATGTCGACCGGGCGCGGGCTCCATC
CGGGAAGCCGGTGGGCTTCGGAAAGAGAGAGCAGGCTGAAGAGGAACGATATTTCCGA
GCACAGAGTAGAGAACAACCTGGCAGCTTTGAAAAAACCCATGAAGAAGAAATCGTTCAT
CATAAGAAGGAGATTGAGCGTCTGCAGAAAGAAATTGAGCGCCATAAGCAGAAGATCAAA
ATGCTAAAACATGATGATTAA
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Clone variation with respect to NM_016311.4

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016311 unedited GCACGAGGCTCGTGCCGAATTCGGCACGAGGCTCCAGCAGCAATGGCAGTGACGGCGTT GGCGGCGCGGACGTGGCTTGGCGTGTGGGGCGTGAGGACCATGCAAGCCCAGGCTTCGG CTCGGATCAGTCCGAGAATGTCGACCGGGCGCGGGCTCCATCCGGGAAGCCGGTGGGC CTTCGGAAAGAGAGAGCAGGCTGAAGAGGAACGATATTTCCGAGCACAGAGTAGAGAACA ACTGGCAGCTTTGAAAAAACCCATGAAGAAGAAATCGTTCATCATAAGAAGGAGATTGA GCGTCTGCAGAAAGAAATTGAGCGCCATAAGCAGAAGATCAAAATGCTAAAACATGATGA TTAAGTGCACACCGTGTGCCATAGAATGGCACATGTCATTGCCCACTTCTGTGTAGACAT GGTTCTGGTTAACTAATATTTGTCTGTGTGCTACTAACAGATTATAATAAATTGTCATC AGTGAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCC TGAACAGATCCCCGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTTGG AAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016311 unedited GAACCGCGGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTCACTGATGACAATT TATTATAATCTGTTAGTAGCACACAGACAAATATTAGTTAAACCAGAACCATGTCTACAC AGAAGTGGGCAATGACATGTGCCATTCTATGGCACACGGTGTGCACTTAATCATCATGTT TTAGCATTTTGATCTTCTGCTTATGGCGCTCAATTTCTTCTGCAGACGCTCAATCTCCT TCTTATGATGAACGATTTCTTCTTCATGGTGTTTTTTCAAAGCTGCCAGTTGTTCTCTAC TCTGTGCTCGGAAATATCGTTCCCTCTTCAGCCTGCTCTCTTTCCGAAGGCCCCACCGG CTTCGCCGATGGAGCCCGCGCCCGGTGACATTCTCGGACTGATCCGAGCCGAAGCCTC GGGCTTGATGGTCTCACGCCCCACACGCCAAGCCACGTCCGCGCCGCAACGCCGTCA CTGCCATTGCTGCTGGAGCCTCGTGCCGAATTCGGCACGAGGCCTCGTGCCGAATTCGGG GCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTTCATAACGAGCTCTGCTTA TATAGACCTCCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGNCGGNGTTATTA CGACATTTGGAAAGTCCCGTTGATTTTGGTGCCAAAACAACTCCCATTGACGTCAATG GGGTGGAGACTTGAAAATCCCCGTGAGTCAAACCGCTATCCACGCCCATTTGGTGTACTGC CAAAACCGCATCACCATGGGTATAGCGATGACTATTACGTANATGTACTGCCAAGTANGA AAATNCCGTAAGTGCATGTACTGGGCATATGCCAGGCGGGCCATTACCGTCATTGACGT CAATAGGGGGCGGACCTGGCATATGATACACTTGATGTACTGCN
Restriction Sites:	NotI-NotI
ACCN:	NM_016311
Insert Size:	560 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_016311.3 , NP_057395.1
RefSeq Size:	548 bp

RefSeq ORF: 321 bp

Locus ID: 93974

UniProt ID: [Q9UII2](#)

Cytogenetics: 1p35.3

Domains: IATP

Gene Summary: This gene encodes a mitochondrial ATPase inhibitor. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longest isoform (1).